

Serial No. 09/462,929

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Art Unit 1634

Amended Claims

67.(amended) An isolated nucleic acid molecule selected from the group consisting of

(a) a [fragment of a] nucleic acid molecule [selected from the group of nucleic acid consisting of SEQ ID NOs presenting nucleic acid sequences among] comprising a fragment of SEQ ID NO[s]:681[1-816] of at least 8 nucleotides, [of sufficient length to represent a sequence unique within the human genome, and identifying a nucleic acid encoding a human cancer associated antigen precursor,]

(b) complements of (a)[,
provided that the fragment includes a sequence of contiguous nucleotides which is not identical to any sequence selected from the sequence group consisting of

(1) sequences having the GenBank accession numbers of Table 1,

(2) complements of (1), and

(3) fragments of (1) and (2)].

118.(amended) The isolated nucleic acid molecule of claim 67, which codes for a polypeptide which, or a portion of which, binds an MHC molecule to form a complex recognized by a an autologous antibody or lymphocyte [wherein the sequence of contiguous nucleotides is selected from the group consisting of:

- (1) at least two contiguous nucleotides nonidentical to the sequence group,
- (2) at least three contiguous nucleotides nonidentical to the sequence group,
- (3) at least four contiguous nucleotides nonidentical to the sequence group,
- (4) at least five contiguous nucleotides nonidentical to the sequence group,
- (5) at least six contiguous nucleotides nonidentical to the sequence group,
- (6) at least seven contiguous nucleotides nonidentical to the sequence group].

121.(amended) An expression vector comprising [a] the nucleic acid molecule of claim 67 operably linked to a promoter[, wherein the nucleic acid is a NA Group 2 molecule].

122.(amended) A host cell transformed or transfected with an expression vector of claim[s] 121.

L00461_70078 FIRST AMENDMENT